

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau(43) International Publication Date
9 October 2003 (09.10.2003)

PCT

(10) International Publication Number
WO 03/082253 A1

(51) International Patent Classification⁷: A61K 9/72, 47/00, A61J 3/02

(21) International Application Number: PCT/FI03/00241

(22) International Filing Date: 28 March 2003 (28.03.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data: 20020607 28 March 2002 (28.03.2002) FI

(71) Applicant (for all designated States except US): FOCUS INHALATION OY [FI/FI]; Mustionkatu 8, FIN-20100 Turku (FI).

(72) Inventors; and

(75) Inventors/Applicants (for US only): LANKINEN, Tatio [FI/FI]; Jalustinkatu 11 G 79, FIN-20880 Turku (FI). SALONEN, Heikki [FI/FI]; Lumikonkatu 7 H 246, FIN-20240 Turku (FI).

(74) Agent: LEITZINGER OY; Tammasaarenkatu 1, FIN-00180 Helsinki (FI).

(81) Designated States (national): AE, AG, AL, AM, AT (utility model), AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ (utility model), CZ, DE (utility model), DE, DK (utility model), DK, DM, DZ, EC, EE (utility model), EE, ES, FI (utility model), FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK (utility model), SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 03/082253 A1

(54) Title: A METHOD FOR TREATING CARRIER PARTICLES AND ITS USE

(57) Abstract: A method for treating a particulate carrier for an inhalation powder improving the stability and flowing properties of the carrier. The carrier is abraded suspended in a liquid medium, in which the carrier is essentially insoluble, the liquid medium is evaporated, and the carrier recovered.